

Luminescence of the Terrestrial Atmosphere in the
Continuous Spectrum, by K. Chuvayev, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVII, No 4, 1952, pp 551-554.

Def Sci Info Sv
DRB Canada T-115-R

APL 2 - X - 15

Scientific - Physics

CIA 2110243

Jan 54 CTS

8386

(FDD 20186)

Changes in the Mechanical Properties of Nerves
During Its Stimulation, by Ye. V. Kornakova,
G. M. Frank, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser,
Vol LXXVII, No 4, Moscow/Leningrad, 1 Dec 1952,
pp 555-558.

CIA/FDD/U-5830

USER

13, 077
Scientific - Biology, nervous activity

The ~~Phenomenon~~ Phenomenon of Reversion in Artificially
Aged Alloys of the Type Al-Cu-Mg and Duralumin, by
V. M. Bereshiani, UNCLASSIFIED

RUSSIAE, per, Dok Ak Nauk, Vol LXXXVII, No 4,
1952, p 563.

Fulmer Research Inst

54

Ot/903

20,062

Scientific - Chemistry, Min/Metals

Propagation of Electromagnetic Waves Over a Plane
Surface with Anisotropic Homogeneous Boundary Con-
ditions, by M. A. Miller 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, Vol. LXXXVII,
No 4, 1952, pp 571-574

Scientific - Physics
CIA 2001373

Def Sci Info Soc
T102R

CTS/DEX

7057

The Alkylation of Toluene and Diisopropylben-
zene With Acetylene, by V. L. Vaizer, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXVII, No 4, 1952, pp 593-595.

Sci Tr Center
RT-3863

37,886

Sci - Chemistry

Aug 1956

Self-Diffusion and Viscous Flow (Sintering and Creep) of Compacted Metal Powders, by Ya. E. Geguzin.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXVII, No 4, 1952, pp 577-580.

Brutcher Tr
No 3362

~~1~~ 2.90
Scientific - Minerals/Metals

CTB/DEX

19,520

(FDD 19287)

The Synthesis of Acetaldehyde Tagged With Radio-
active Carbon, by M. B. Heyman, G. I. Feklisov,
9 pp.

~~RUSSIAN, thrice-no per, Dok Ak Nauk SSSR~~
RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
XCVII, No 4, Moscow, 1953, pp 605-608.

CIA/FDD/U-5516

USSR

Scientific - Chemistry, isotopes

10,353
Feb 54

On the Corrosion Fatigue Limit, by G. V. Karpenko

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVII, No 4, 1952, pp 617-620.

Brutcher Tr 3161

Scientific - Minerals/Metals

CTS/DEX

Price \$3.40

8526

Corrosion Behavior of Stainless Steels in Oxidizing
Solutions, Corrosion in Chromic Acid Solutions, by
M. M. Kurtepov, G. V. Akinov, N. M. Bardish

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVII, No 4,
1952, pp 625-626.

Brutcher Tr No 3054

Jul 53 CTS/DEX

Scientific - Minerals/Metals

Price \$1.90

3509

The Acidity of Aluminosilicates and Its Connection
with Catalytic Activity, by E. G. Strunov, SPS.

RUSSIAN, Khimichesko pre, Dok Ak Nauk SSSR, Vol. LXXVIII,
No 4, 1952, 627-630.

Sci To Obit-3857

178 61-11-130

Sci - Chemistry
Aug 56 CTS/dex

37,540

Effect of pH During Precipitation of Aluminum Soaps
on the Viscosity of the Oleoels and Effect of
Temperature on the Properties of Aluminum Soaps, by
~~DOXX~~ A. A. Trapeznikov, G. V. Belagina, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVII,
1952, No 4, pp 635-637; No 5, pp 825-827.

Def Sci Info Svc T 105 R

USSR
Scientific - Chemistry

CIA 2010005

Dec 53 cts
8323

Empirical Formula for Calculation of Dissociation
Energies of Organic Molecules, by A. V. Savitskiy,
9 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol LXIXVII,
No 4, 1952, pp 631-634.

NIH

Scientific - Chemistry Dec 53 CTS/DEX

8453

Intensity of Immunity of White Mice Depending on
Size of the Immunizing Dose of Tetanus Anatoxin,
by A. V. Markovich, A. A. Vorob'ev, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVII,
No 4, 1952, pp 665-668.

SLA 61-22424

NIH

Scientific - Medicine

7104

Nov 53 CTB

Concerning a Case of Sound Propagation in an
Inhomogeneous Medium, by L. M. Brekhovskikh,
4 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVII,
No 5, pp 715-718, 1952.

SLA 59-15106
Navy Tr 755/NRL 433

Scientific -
CTS/DEX

7330

Contribution to the Question of the Scattering
of Electromagnetic Waves by Uneven Surfaces,
by Yu. P. Lysanov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVII, No 5, 1952, pp 719-722.
CIA D 197017

AF Cambridge Research Center L-60
Tech Tr No 3 30,391
MDF L-10
Morris D. Friedman

Sci. Tr Center RT-3050
Scientific - Physics Jan 56 CTS/DEX 514-1002

Abrasive Wear of Metals at Various Temperatures and
Speeds, by G. I. Kiselev

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVII, No 5,
1952, pp 735-737.

Brutcher Tr No 3062

SLA R-1211
Jul 53 CTS/DEX

Scientific - Minerals/Metals Price \$2.90

3510

Rattner, S. B.
ON THE RATE OF WEAR OF RUBBER AND ITS
RELATION TO COEFFICIENT OF FRICTION (O
Pokazatele Iatriraniy Reziny i Yego Soyazi e Koeffit-
sientan Treniya). [1960] 5p. 6 refs. M2190.
Order from LC or SLA m\$1.80, ph\$1.80 61-13685

Trans. of [Akademiya Nauk SSSR. Doklady] 1952, v. 87,
no. 5, p. 743-[746].

Another translation is available from OTS \$0.50 as
60-41421, JPRS-4051, 21 Sep 60, 6p.

142,842

(Materials--Rubber, TT, v. 5, no. 2)

61-13685

1. Rubber--Friction
2. Rubber--Deterioration
1. Rattner, S. B.
- II. DSIR LLU M 2190

Office of Technical Services

62-20286

Kogan, V. S. and Pines, B. Ya.
EQUILIBRIUM DIAGRAM OF THE In - Pb SYSTEM.
[1962] 7p. (figs. omitted) 6 refs.
Order from OTS or SLA \$1.10

62-20286

I. Kogan, V. S.
II. Pines, B. Ya.

Trans. of [Akademiya Nauk] SSSR. Doklady, 1952,
v. 87, no. 5, p. 771-773.

DESCRIPTORS: *Lead alloys, *Indium alloys,
Thermodynamics, Transformations.

The basic features of the equilibrium diagram for the In - Pb system are: (1) Narrow regions of mixtures of two phases, $\alpha + \gamma$ and $\gamma + \beta$, which grow wider at temperatures close to the melting point; (2) The appearance of a liquid phase at the temperature of 16(P in alloys containing 20 to 25at. % Pb and at a temperature in the neighborhood of 1700 in alloys containing 28 to 36 at. % Pb; (3) The absence of transformations in (Physics--Thermodynamics, TT, v. 9, no. 11) (over)

Office of Technical Services

Synthesis of Pyrimidinoimidazolones, by M. A.
Prokof'ev.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVII, No 5, 1952, pp 783-785.

Sci Tr Center
*#TT.446

17,446

Scientific - Chemistry

(FDD 19774)

The Interacting System Composed of the Hydroxides
and Chlorides of Potassium and Lithium, 7 pp.

RUSSIAN, ~~thrice-no per~~, Dok Ak Nauk SSSR, Vol LXXXVII,
No 5, Moscow, 30 Jul 1952, pp 791-793.

CIA/FDD/U-5592

USSR

Scientific - Chemistry, potassium, lithium

Feb 54 CTS

10,584

Corrosion Characteristics of Alloying Elements of
Stainless Steels in Oxidizing Solutions. Corrosion
of Chromium, by M. M. Kurtepov, G. V. Akimov

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXXVII, No 5,
1952, pp 795-796.

77-44-18384
Butcher Order No 3036
Price \$1.90

Scientific - Minerals/Metals

Jun 53 CTB

2237

Effect of the Frequency of Stress Cycles Upon
the Endurance of Steel in Surface-Active and in
Corrosive Media, by G. Karpenko

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVII
No 5, 1952, pp 797-800.

Brutcher Tr 3202

Scientific - Minerals/Metals

CTS/DEX

Price \$3.80

9281

An Investigation of the Process of the Formation
of Carbon on a Surface from the Thermal
Decomposition of Hydrocarbons, by P. A. Tesner,
I. S. Rafal'kes,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVII,
No 5, 1952, pp 821-824.

20,874

Co-op Tr Sch No 92
L1.4s. (3s.OD.)

Scientific - Chemistry

Feb 55 CTS

New Aspects of the Earth's Electric Field, by A. V.
Veshev, A. B. Semenov, M. T. Novosheilova, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVII, No 6, Dec 1952.

Mark E. Burgunker Tr E-1
541 West 113th Street
New York 25, N. Y.

Scientific - Geophysics

Feb 5 - 6 - 1953

21, 211

(FDD 20156)

The Content of "Easily Hydrolyzed Compounds Containing Hexosamine in the Human Brain," by A. M. Kuzin, G. A. Garzunova, 7 pp.

RUSSIAN, thrice-no pag, Dokl Akd Nauk SSSR, Nov Ser, Vol LXXXVII, No 5, Moscow/Leningrad, 1952, pp 833-835.

CIA/FDD/U-5720

USSR
Sci - Med

Apr 54 CTS

13,042

Seismic Probing of the Earth's Crust, 15 pp, by G. A.
Gamburtsev

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol
~~XXXXXXXX~~, No 6, Dec 1952.

LXXXVII

Mark E. Burgunker Tr S-5
541 West 113th Street
New York 25, N. Y.

Scientific - Geophysics

Feb 55 CTS/DEX
\$25

21,206

A Criterion of the Tension Diagram of Mechanical
Deformability, by L. D. Sokolov. UDC

RUSSIAN, par, Dok Ak Nauk SSSR, Vol LXXXVII,
No 6, 1952, pp 905-908.

British Iron and Steel Ind
(no number given)

Sci - Min/Mat
Sep 59

98,391

Equations for the Coefficients of Reflection of
Waves From a Periodically Irregular Surface, by
L. N. Deryugin, 4 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol LXXXVII, No 6,
1952, pp 913-916.

Navy Tr 770/MRL 434

Scientific - Physics

CTS/DEX

2761

Vaynshteyn, L. A., Yavorskiy, B. M.

Approximation Method of Calculating the Probability of
Optical Transformations.

RUSSIAN, per, Dok Ak Nauk SSSR. Vol. KXCVII, 1992,
pp. 919-922.

*PL 480
CTR 01-11487

Nov 61

Absorption Spectra and Luminescence of Triphenyl-
methane Dyes, by P. P. Feofilov, I. G. Faerman, 8 pp.

RUSSIAN, thrice-mo per , Dok Ak Nauk SSSR, Vol LXXXVII,
No 6, 1952, pp 931-934. ^S

CIA/FDD/X-1368

Scientific - Chemistry
CTS/DEI

12,664

Fluorescence Spectrum of Coronene in Frozen
Solutions, by E. V. Shpol'skiy, A. A. Il'ina,
L. A. Klimova.

RUSSIAN, thrice-mo per, Dok Ak: Nauk SSSR, Vol.
LXXXVII, No 6, 1952, pp 935-938.

20,873

Natl Res Lib
TT.467

Scientific - Physics

Jan 55 CTS/DEX

Gamburtsev, G. A.
DÉEP SEISMIC WELL-SHOOTING OF THE EARTH'S
CRUST. Aug 62 [9]p. 5 refs. VESIAC-2294.
Order from OTS or SLA \$1.10 62-33489

Trans. of Akademiya Nauk SSSR. Doklady, 1952,
v. 87, no. 6, p. 943-946.

DESCRIPTORS: *Geology, *Seismic waves, Seismo-
graphs, Earthquakes, *Earth, Geophysics,
Lithosphere.

(Earth Sciences--Geology, TT, v. 9, no. 9)

62-33489

- I. Gamburtsev, G. A.
- II. VESIAC-2294
- III. Technical Library
Research Service,
Ann Arbor, Mich.
- IV. Contract SD-78

Office of Technical Services

Distinctive Features of the Healing of A Crack
In A Crystal Under Conditions of Declining
Temperature by G. G. Lemnlein and M. O. Klita,
12 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol LXXXVII,
No 6, 1952, p 957-960.

SLA R 1651

Sci

Jul 58

68,791

On the Methods of Eliminating Steady Components
of Error in Automatic Regulation Systems, by
A. G. Ivakhnenko, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVII, 1952, p 949-752

Morris D. Friedman I-109
\$4.50

USSR

Scientific - Physics

CTB 65/Feb 55

21,312

New Method of Synthesis of Organo-Antimony Compounds
of the Type of Ar_2SbX_3 and Ar_3SbX_2 , by O. A. Reutov,
10 pages, UNCLASSIFIED

RUSSIAN, Dok Ak Nauk SSSR, 87 (6): 991-994; 1952

NIH

Scientific - Chemistry

10,200

Journal of Information of Isotopes, by A. V. Topchikov,
A. P. Kuznetsov, L. H. Andreev.

all translations.

ISSN, the journal, Vol. 18, No. 1, 1978, Vol. 18, No. 1, 1978,
1978, No. 1, 1978.

Novaya Sibirsk No 146

Scientific - Chemistry

Sep 53 53

Investigation of the Physical Structure of
Synthetic Polyamides by the Method of Vibration
Spectra, by N. V. Mikhaylov, D. N. Shigorin, S. P.
Makar'eva, 7 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXXVII, No 6, 1952, pp 1009-1012.

CIA/PDD/X-1366

Sci Mus Lib 65/3706

Scientific - Chemistry

12, 75
TT-565

Enthalpie et chaleur specifique du silicium aux hautes
temperatures, by N. N. Serebrennikov, F. V. Geld.

RUSSIAN to FRENCH, per, Dok Ak Nauk SSSR, Vol LXXVII,
No 6, 1952, pp 1021-1024.

IRSID 1239

Sci

'

Nov 61

Effect of the Formaldehyde Derivative of Norsulfazol
on Tobacco Mosaic Virus, by K. S. Sukhov, B. M.
Solov'ev, G. B. Niki'torova.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Maxim~~ Vol LXXXVIII,
21 Jan 1953, ~~pp 559, 560~~ pp 559, 560. 511 P444A

USDA Tr

USSR

Jul 53 CTS/DEX

Scientific - Biology

3425

Thermal Capacity and Structure of Silicate Glasses,
by V. V. Tarasov, Ya. S. Savitskaya, 8 pp.

RUSSIAN, ~~thrice-no per.~~ Dok Ak Nauk SSSR, Vol LXXXVIII
No 6, 1953, pp 1019-1022.

CIA/PDD/X-1363

Scientific - Chemistry
CTS/DME

12,855

Study of Process of Growth of Carbon-Black
Particles With the Aid of the Electron Microscope,
by P. A. Tesner, A. I. Echeistova, UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXVII, No 6, 1952, pp 1029-1031.

Butcher No 3222

Scientific + Min/Metals

\$3.90

15,482

Thermal Decomposition of Potassium and Sodium
Guanamide, by V. A. Shashunov, A. M. Pavlov, 7 pp.

RUSSIAN, thrice-mo. per, Dok Ak Nauk SSSR, Vol
LXXIX, No 6, 1953, pp 1033-1036.

CIA/FDD/X-1365

Scientific - Chemistry
ES/DEX

12,674

Electrophoretic Determination of Protein Fractions on
Paper, by A. P. Vishnyakov, D. S. Dobrovolskiy,
N. V. Ermakov, S. E. Tukachinskiy, 8 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, ~~to 1035-1038~~,
Vol LXXVII, No 6, 1952, pp 1035-1038.

CIA/FDD/X-1367

Scientific - Physics
CTB/DEX

13,032

Table of Contents of

Dok-----

Proceeding, Conference on Electrochemistry
(19-25 Dec 1950, Moscow). Ak Nauk Press, 1953.
588 pages.)

FDD X-2624

Cause of High Temperature in the Solar
Corona and Effect of Interstellar Magnetic
Field on Stars, by G. A. Leikin, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXVIII, No 1, 1953, pp 33-35.

AR 00 - X - 25

DOC

Def Sci Info Sv,
DRB, Canada
T 136 R

Scientific - Astronomy

CIS/DIEX

13,770

CIA 2524789

Waveguides With Non-Ideal Walls, by B. Z.
Katsenelenbaum, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak NaukSSSR,
Vol LXXXVIII, No 1, 1 Jan 1953, pp 37-40.

Natl Sci Foundation Tr 11.

Scientific - Physics Jul 53 CTS/DEX

for Katsenelenbaum

3876

The Effect of the Stimulating Action of the Exciting
Light on Phosphorescence, by L. I. Anikina, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 1, 1 Jan 1953, pp 41-44.

NSF Tr 23

Scientific - Physics

Sep 53 CIE

5212

Theory of the Periodic System of the Elements, by
D. Ivnenko, S. Larin, 4 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 1, 1 Jan 1953, pp 45-48.

Natl Sci Foundation Tr 2

Scientific - Physics

Jul 53 CTS/DEX

U.S. Nat. Library

4053

also in Trans. Acad. Sci. USSR

3884

The Diffusion of Polystyrene Fractions in
Dichlorethane, by V. N. Tsvetkov, S. I. Klenin, *Page*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVIII, No 1, 1 Jan 1953, pp 49-52.

NSF Tr 27

Scientific - Chemistry Jul 53 CTS/DEX

*See Science Center B-115
Bureau Lab 466*

See Analytical 23/2/53 3869

(FDD 17666)

Catalysts for Analytic Hydrogenation of Hydrocarbons by I. A. Musynev, G. D. Galpern, 5 pp.

RUSSIAN, thrice-mo per, ~~Dok Ak Nauk SSSR~~
Moscow, Vol LXXXVIII, No 1, Jan 1953, pp
pp 71, 72.

CIA/FDD/U-5107

USSR
Sci - Chem

8918

Nekrasova, V. A.
SYNTHESIS OF SECONDARY HALOALKANES BY
THERMAL CHLORINATION OF n-ALKANES. [1964]
7p
Order from K-H \$4. 20 K-H-13077-2
Trans. of Akademiiya Nauk SSSR, Doklady, 1953, v. 88,
no. 1, p. 73-76.

(Chemistry--Organic, TT, v. 12, no. 1)

TT-64-12920

- I. Nekrasova, V. A.
- II. K-H-13077-a
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

TT-64-10150

Suvorov, B. V., Rafikov, S. R., and Anuchina, I. G.
ON THE MECHANISM OF VAPOR-PHASE OXIDATION
OF TOLUENE, BENZYL ALCOHOL AND BENZ-
ALDEHYDE IN THE PRESENCE OF VANADIUM
OXIDES (O Mekhanizme Parofaznogo Okisleniya Toluola,
Benzilovogo Spirta i Benzal'degida v Prisutstvii Okislov
Vanadiya). [1963] 7p 20refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10150

- I. Title: Benzyl alcohol
- I. Suvorov, B. V.
- II. Rafikov, S. R.
- III. Anuchina, I. G.
- IV. RT-1015
- V. INSDOC-T-867

Trans. of Akademiya Nauk SSSR. Doklady, 1963, v. 88,
no. 1, p. 79-82. (Abstract available)

Other translations are available from LC or SLA
ml\$1.80, ph\$1.80 as TT-59-19143 [1959] [5p]; and SLA
as RT-1015, 8p.; and from Indian National Scientific
Documentation Centre, National Physical Laboratory of
India, Hillside Road, New Delhi-12, India, as T. 867.

Science Museum Lib 52/1232
DESCRIPTORS: *Toluenes, *Benzaldehydes, Benzyl
radicals, Alcohols, Vapors, *Oxidation, *Vanadium
catalysts,

(Chemistry--Organic, TT, v. 11, no. 9) (over)

Office of Technical Services

Reaction of Cyclohexene With Dilute Nitric
Acid, by A. V. Topchiyev, Ye. I. Gantman,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 1, 1953, pp 83-85.

ATS-1041R

ATS-RJ-2385

129,387

Sci

OTS, Vol IV, No 3
Sep 60

Formation of Organo-Aluminum Compounds in the
Reaction of Phenylchlorosilanes With $AlCl_3$,

by A. Ya. Zakubovich, G. V. Kotsurev.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVIII, No 1,
1950, USSR, pp 87-89.

Assoc Tech Sv RJ-210

Sci - Chemistry

\$4.00 (\$0.75)

Aug 54

175/16

Structural Transformations of Coal During
Thermal Treatment, by V. I. Kasatochkin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 1, 1953, pp 91-94.

CSIRO

Sci - Engi

Mar 62

188,528

ZnO Photoluminescence at Electrodes in Electrolyte
Solutions, by A. I. Terenin, D. G. Demezhkin,
9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ^{XXX} LXXVIII,
No 1, 1953, pp 99-102.

SIA R-1385

Jul 58

69, 998

Effect of Pressure on the Structural Viscosity
of Clay Suspensions, by R. M. Shishchenko,
A. M. Ryabova.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol. 181, No. 1,
1953, USSR, pp. 103, 104.

Assoc Tech Sv RJ-223

Sci - Engineering \$3.65 (\$0.85)

Aug 54

17.118

Synthesis of Carnosine and Anserine in the Liver of
Dogs, by A. N. Parshin, T. A. Goriukhina, 11 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 1, 1953, pp 113-116.

NIH

Scientific - Medicine

Sep 53 CTS

5347

Obtainment of Artificial Diaspore (Hydrous
Aluminum Oxide), by N. K. Druzhinina. 3 pp.
RUSSIAN, per, Doklady Ak Nauk SSSR, Vol 83,
No 1, 1953, pp 133-134. P100201768-V
FTD-HT-67-464

Sci/Chemistry
Sep 68

366,473

Obtainment of Artificial Diapores (Viscous Aluminum Oxide), by N. K. Druzhinina.
RUSSIAN, PER, Doklady ANSSSR, Vol 88, No 1, 1953,
pp 133-135. EI00242368--V
FIL-INT-67-464

Sci-Chem:
Oct 68

369,386

On a Boundary Problem for an Equation of Mixed
Elliptic-hyperbolic Type, by I. L. Karol', 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 2, 1953, pp 197-200

Sci Tr Center RT-771

Scientific - Mathematics

10,695

Scattering of Light in Liquids, by G. V.
L. I. Fabelinskii, 9 pp

translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXIII,
No 2, 1962, pp 203-206.

60A/30-10-10

200

Physics - Physics

60A/30-10-10

200

Kinematic Properties of the Interstellar Gas in
Connection With Cosmic Ray Isotropy, by S. B. Pikel'ner,
6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVIII, No 2, 1953, pp 229-232.

Def Sci Info Sv
DRB Canada T-109-R

Scientific - Physics

CIA 2107875

4
Jan 58 CTS

8385

^c
Multiplicity in X-Ray Emission Spectra, by
I. B. Borovskiy, T. M. Golovner, 4pp
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVIII, No 2, 11 Jan 1953, pp 233-236.

Natl Sci Foundation Tr 7

Scientific - E Physics Jul 53 CTS/DEX

Doc Sci Phys

3877

Doc Sci Phys

On Spectroscopic Determination of the Quadropole
Moments of Nuclei, by I. I. Gol'dman, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol LXXXVIII, No 2, 11 Jan 1953, pp 241-243.

Natl Sci Foundation Tr 5

Scientific - Nuclear Physics Jul 53 CTS/DEX

See also: ...

4049

~~3880~~

See ...

Relations Between Moments of Inertia and Rotation
Frequencies of Isotopic Molecules, by L. M.
Sverdlov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVIII, No 2, 11 Jan 1953, pp 249-252.

Natl Sci Foundation Tr 12

Scientific - Nuclear Physics Jul 53 CTS/DEX

4050

~~3881~~

Sound Propagation in a Medium With Random Fluctuations
of Refractive Index, by V. Ya. Kharanen

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 2, 11 Jan 1953, pp 253-256.

Natl Sci Foundation Tr 8

Scientific - Physics

Jul 53 CTS/DEX

3878

Effect of Carbon on Interfacial Tension of Iron
with Slag, by S. I. Popel et al

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR,
Vol 88, No 2, pp 253-5

Brutcher No 3116
\$2.30

Scientific - Min/Metals
Feb 56 CTS/dex

31,239

Effect of Plastic Deformation on Subsequent Decomposition in Aluminum Alloys Al-Si and Al-Mg-Si, by
N. N. Buinov, V. P. Savinykh 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVIII, No 2, 11 Jan 1953, pp 257-259.

5 Natl Sci Foundation Tr 9

Scientific - Minerals/Metals Jul 53 CTS/DEX

Also in Sci. Amer. 1953

~~3879~~ 4029

See also index 7-11

Crystal-Lattice Distortions and Sintering of Metal
Powders, by L. I. Gal'perina

Full Translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVIII, No 2, 1953, pp 265-268.

Brutcher Tr No 3088

Scientific - Minerals/Metals

Jul 53 CTS/DEX
Price \$3.50

3969

S-5260

(11/27/55).

Equations for Crystallization Surfaces in Ternary Reciprocal Systems, by A. T. Grigor'ev,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII, No 2, 1953, pp 273-276.

*JPRS

Sci - Chem, Crystallization

Jun 59

On the Nature of Local Distortions in Solid
Solutions Based on Metals of the Transition Group
of Elements, by I. I. Dekhtiar, S. M. Karal'niki,
7 pp.

RUSSIAN, per, Doklady Akad Nauk, Vol LXXXVIII,
No 2, 1953, pp 277-279.

R-
SLA Tr 1048

Sci - Minerals/Metals
Oct 57

54,462

Relation Between Separate Stages of the Photographic
Process, by Ts. S. Arnol'd, 5 pp. UNCLASSIFIED.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 2, 1953, pp 289-291.

~~17,742~~
CIA/FDD/X-1415

Scientific Physics

17,741

(FDD 19286)

The Synthesis of 1-C¹⁴-Pentane and 3-C¹⁴-Pentane,
by A. F. Lukovnikov, M. B. Neyman, A. A. Bag, L. M.
Rodionova, I. S. Samoukina, N. V. Bliznyak, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCVIII, No 2, Moscow, 1953, pp 297-300.

CIA/FDD/U-5515

USER

10,354

Scientific - Chemistry, isotopes

Feb 54

Effect of Temperature on the Mechanism of
Simultaneous Discharge of Ions in the
Electrolyte Refining of Metals, by A. L.
Rotinyan, et al. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 2, 1953, pp 301-304.

DSIR LIU M.1313

(loan)

112,660

Sci - Phys
Apr 60

SC4233

The Probability of Ice Nuclei Formation in Supercooled
Water, by L. G. Kacharin

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLIII, No 2, 1953,
p 307-310

Activity of Histidine Deaminase and Urocaninase in
the Liver in Rabbits During the Development of
Brown-~~Source~~ Tumors, by T. A. Goryushina, 11 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXVIII, No 2, 1953, pp 317-320.

NIH

6372

Scientific - Medicine
CIS/DEX

Influence of the Form of Nitrogen Nutrition on the
Respiratory Processes of Plants, by M. I. Kalinkevich,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXCVIII, 1953,
pp 349-351.

SLA Tr R-1284

Sci

Jun 58

65,820

On the Theory^g of Equations of Mixed Type, by ~~It~~
I. L. Karol', 5 pp.

RUSSIAN, thrice-no per. Dok Ak Nauk SSSR, Vol LXXXVIII,
No 3, 1953, pp ~~400~~ 397-400.

Sci Tr Center RT-770

Scientific - Mathematics

10,696

Effect of Nucleon Orbits on Slow Neutron Capture
Cross Sections and on the Spin Odd-Odd Nuclei,
by I. A. Vaynsman, 444

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXXVIII, No 3, 21 Jan 1953, pp 431-434.

SIAS 1000
Natl Sci Foundation tr 6

BT - 1

Scientific - Nuclear Physics Jul 53 CTS/DEX

On the Dependence of the Mean Square Fluctuations
of the δ Phase and Amplitude on the Size of the
Lens in Star Twinkling Observations, by V. I.
Krasil'nikov, V. I. Tatarskiy, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII,
No 3, 1953, pp 435-438.

SLA Tr R-372

Sci - Astronomy

52, 320

Aug 57

Thermal Fatigue of Single Crystals of Aluminum,
by V. I. Arkharov, S. G. Ignat'yeva, Yu. D.
Kozmanov.

RUSSIAN, thrice-monthly, Dok Ak Nauk SSSR, Vol
LXXXVIII, No 3, 21 Jan 1953, pp 439-440.

Natl Sci Foundation Tr 3

Scientific - Minerals/Metals Jul 53 CTS/DEX

Gift to Sci Museum

3872

On the Creep of Soil, by Yu. L. Motylev

RUSSIAN, thrice-mo per, Dokl Ak Nauk SSSR, Vol LXXVIII,
No 3, 21 Jan 1953, pp 441-443.

Natl Sci Foundation Tr 10

Scientific - Physics

Jul 53 CTS/DEX

See also in Tr. 10
3875

A Study of Reduction by Roller Mills, by E. D. Khusid,
4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 3, 21 Jan 1953, pp 449-452.

BSP Tr 22

Scientific - Engineering

Sep 53 CTS

Labrador. No. 5211

The so-called Homology of Crystals, by A. V. Shubnikov
RUSSIAN, per, Doklady Akademii Nauk SSSR, Vol 88,
pp 453-456, 1953
NAVY/NISC-3346-72

Oct 72

Stability Diagrams of the Ternary Systems $\text{LiCl}-\text{NaCl}-\text{KCl}$, by V. P. Blidin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXVIII, No 3, 1983, USSR, pp 457-459.

Assoc Tech Jv 83-218

Sci - Chemistry \$5.25 (\$1.65)

Aug 54

17112

The Alkylation of Cyclopropanes with Alkyl Halides
by Yu. S. Kozlovskiy, A. Kozlov.

RUSSIAN, per, Dokl Akad. Nauk SSSR, Vol. 171, No. 1,
1953, USSR, pp 471-473.

Author Index (S. 171-173)

Sci - Chemistry

\$4.25 (\$0.55)

Aug 54

17/119

Thermal Chlorination of Alkanes and of Their
Monochloro Derivatives, by V. A. Nekrasova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXXVIII, No 3,
1953, USSR, pp 475-478.

Assoc Tech Sv RJ-109

OTS 61-17313

\$7.00 (\$1.00)

OTS 63-14145

Aug 54

17,122

Sci - Chemistry

Catalytic Properties of Silicic Petrosilanes.
On the Addition of Methyl Alcohol to Chlorine, by
S. V. Ignatiev, N. P. Bogdanova.

RUSSIAN, ENG, Dok Ak. Nauk SSSR, Vol. 181, No. 1,
1968, 180, pp 457-459.

Approx Total \$7.00

Sci - Chemistry

\$6.00 (\$0.00)

Aug 54

15/10/71

Heat Denaturation(Shrinkage) of Collagen By
Wetting, by A. L. Zaides, A. N. Nizhnyaylov,
6 pp,

RUSSIAN, per, ~~Dok Ak Nauk SSSR~~, Vol. LXXXVIII,
No 3, 1953, pp 491-493.

CIA/FDD/X-1612

Scientific - Chemistry 55 CTS

22,840

Absorption Spectrum of Internal Specks in Lippmann
Emulsion Grains, by E. A. Krillov, E. A.
Nesterovskaya, 8 pp. UNCLASSIFIED.

RUSSIAN, 3 thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXVIII, No 3, 1953, pp 495-498.

CIA/FID/X-1454

Scientific - Chemistry

13,264